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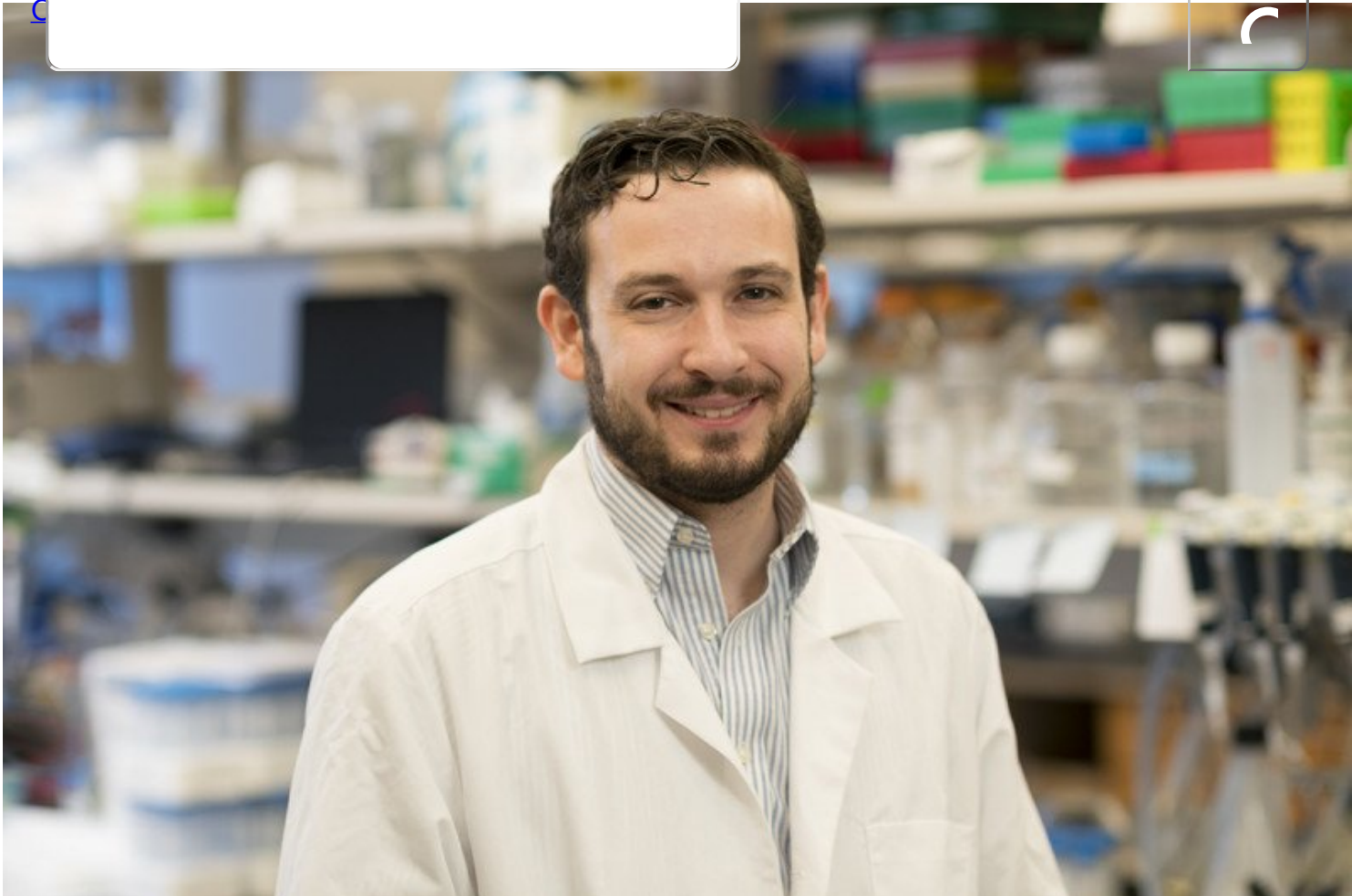
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Edward (Ted) Kastenhuber, PhD
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Dissertation

[Functional interrogation of genetically simple and complex cancers \(2019\)](#)

Mentor

[Scott W. Lowe, PhD](#)

Start Year

2014

End Year

2019

Education

PhD, Gerstner Sloan Kettering Graduate School, New York, NY

Graduate Student in Lowe Lab from 2014-2019.

Publications

[Loizou E, Banito A, Livshits G, Ho YJ, Koche RP, Sanchez-Rivera FJ, Mayle A, Chen CC, Kinalis S, Bagger FO, Kasthuber ER, Durham BH, Lowe SW. \(2019\) A gain-of-function p53 mutant oncogene promotes cell fate plasticity and myeloid leukemia through the pluripotency factor Foxh1. *Cancer Discov.* pii: CD-18-1391.](#)

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[Liu Y, Chen C, Xu Z, Scuoppo C, Rillahan CD, Gao J, Spitzer B, Bosbach B, Kastenhuber ER, Baslan T, Ackermann S, Cheng L, Wang Q, Niu T, Schultz N, Levine RL, Mills AA, Lowe SW. \(2016\) Deletions linked to TP53 loss drive cancer through p53-independent mechanisms. *Nature*, 531, 471-5.](#)

[Ebbesen SH, Scaltriti M, Bialucha CU, Morse N, Kastenhuber ER, Wen HY, Dow LE, Baselga J, Lowe SW. \(2016\) Pten loss promotes MAPK pathway dependency in HER2/neu breast carcinomas. *Proc Natl Acad Sci U S A*, pii: 201523693. PMID: PMC4801318.](#)

[Dow LE, Fisher J, O'Rourke KP, Muley A, Kastenhuber ER, Livshits G, Tschaharganeh DF, Socci ND, Lowe SW. \(2015\) Inducible in vivo genome editing with CRISPR-Cas9. *Nat Biotechnol.*, 33, 390-4. PMID: PMC4390466.](#)

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[Kannan K, Inagaki A, Silber J, Gorovets D, Zhang J, Kastenhuber ER, Heguy A, Petrini JH, Chan TA, Huse JT. \(2012\) Whole-exome sequencing identifies ATRX mutation as a key molecular determinant in lower-grade glioma. *Oncotarget*, 3, 1194-203. PMID: PMC3717947.](#)

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[Zhu X, Fallert-Junecko BA, Fujita M, Ueda R, Kohanbash G, Kastenhuber ER, McDonald HA, Liu Y, Kalinski P, Reinhart TA, Salazar AM, Okada H. \(2010\) Poly-ICLC promotes the infiltration of effector T cells into intracranial gliomas via induction of CXCL10 in IFN-alpha and IFN-gamma dependent manners. *Cancer Immunol Immunother.*, 59, 1401-9. PMID: PMC2893267.](#)

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